

OMT Tech Exchange Report

AMG-16

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PURPOSE

- **Review/prioritize current OMT issues list**
 - **Formalize multiple inheritance issue**
 - **Identify additional information needs**
 - **Internal to OMT**
 - **External to OMT**
 - **Identify modifications targeted for OMT**
- 1.1**

HIGHEST PRIORITY **OMT ISSUES**

- **Multiple inheritance**
- **Additional information needs**
- **Security**

MULTIPLE INHERITANCE

Need:

- **Greater flexibility**
- **Closer mapping to underlying implementation for some simulations**
- **Facilitates FOM reuse**

No explicit “hard” requirement for MI identified. However, experience from OO community has shown the utility of the

MULTIPLE **INHERITANCE**

Issues:

- **Declarative vs. runtime implementation**
- **No current RTI support for MI**
 - **Subscription processing conflicts**
- **MI representation in OMT**

MULTIPLE **INHERITANCE**

Recommendations:

- **Form MI issue team**
 - **Define MI within HLA context**
 - **Resolve declarative vs. runtime
implementation issue**
 - **Develop study plan for subsequent
activities**
- **Report back at AMG-17**

- **Object interaction sequences**
- **Dynamic behavior**
- **Algorithms**
- **Expanded OMT Metadata**
 - **Security profiles**
 - **Environmental representation**
 - **Supporting databases**

OMT V1.1

- **“Notes” Feature**

- **Used to augment OMT table entries with additional descriptive data**

- **Examination of data specified via notes leads to identification of potential OMT format/content modifications**

- **Correct existing ambiguity in Object Interaction Table**

SUMMARY

- **OMT Tech Exchanges provide an open forum for raising/discussing OMT issues**
- **Recommendations will be provided to the AMG to form study teams for high priority issues**
- **Progress of issue teams will be reported at OMT Tech Exchanges**